查询GL34G供应商

Micro Commercial Components
21201 Itasca Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

# GL34A THRU GL34M

## 0.5 Amp Standard Recovery Rectifier 50 to 1000 Volts

## Features

- High Current Capability
- Extremely Low Thermal Resistance
- For Surface Mount Application
- Higher Temp Soldering: 250°C for 10 Seconds At Terminals
- Minimelf Plastic Package

## Maximum Ratings

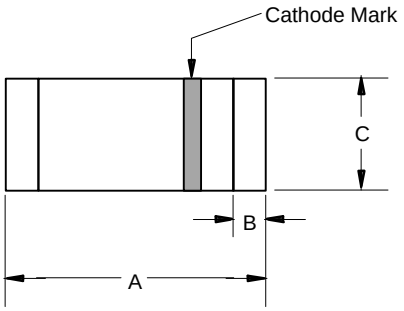
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 5°C/W Junction to Lead

| MCC Catalog Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|---|---|---|---|---|
| GL34A | ---- | 50V | 35V | 50V |
| GL34B | ---- | 100V | 70V | 100V |
| GL34D | ---- | 200V | 140V | 200V |
| GL34G | ---- | 400V | 280V | 400V |
| GL34J | ---- | 600V | 420V | 600V |
| GL34K | ---- | 800V | 560V | 800V |
| GL34M | ---- | 1000V | 700V | 1000V |

## Electrical Characteristics @ 25°C Unless Otherwise Specified

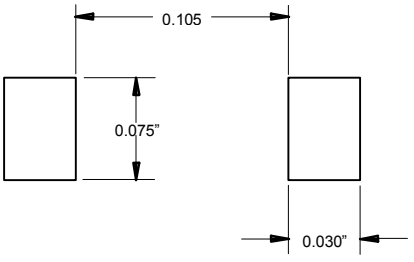
| | | | |
|---|---|---|---|
| Average Forward Current | $I_{F(AV)}$ | 0.5A | $T_J$=75°C |
| Peak Forward Surge Current | $I_{FSM}$ | 10.0A | 8.3ms half sine |
| Maximum Instantaneous Forward Voltage<br>GL34A-G<br>GL34J-M | $V_F$ | 1.2<br>1.3 | $I_{FM}$=0.5A<br>$T_A$=25°C |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | $I_R$ | 5.0uA | $T_J$=25°C |
| Typical Junction Capacitance | $C_J$ | 4.0pF | Measured at 1.0MHz, $V_R$=4.0V |

## MINIMELF




| DIMENSION | | | | | |
|---|---|---|---|---|---|
| DIM | INCHES | | MM | | NOTE |
| | MIN | MAX | MIN | MAX | |
| A | .134 | .142 | 3.40 | 3.60 | |
| B | .008 | .016 | 0.20 | 0.40 | |
| C | .055 | .059 | 1.40 | 1.50 | |

SUGGESTED SOLDER PAD LAYOUT



# GL34A thru GL34M

## Ratings and Characteristic Curves ($T_A$ = 25°C unless otherwise noted)

**FIG. 1 - FORWARD CURRENT DERATING CURVE**

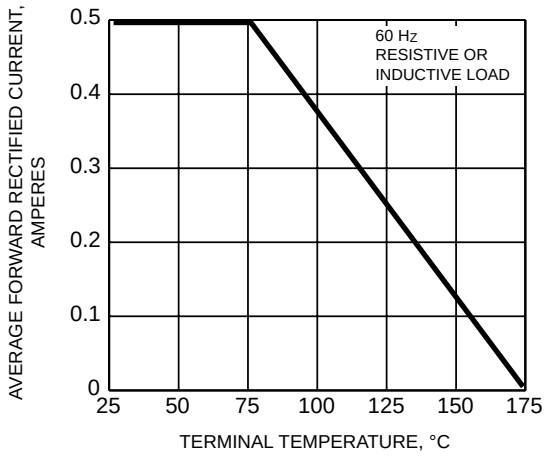



**FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT**

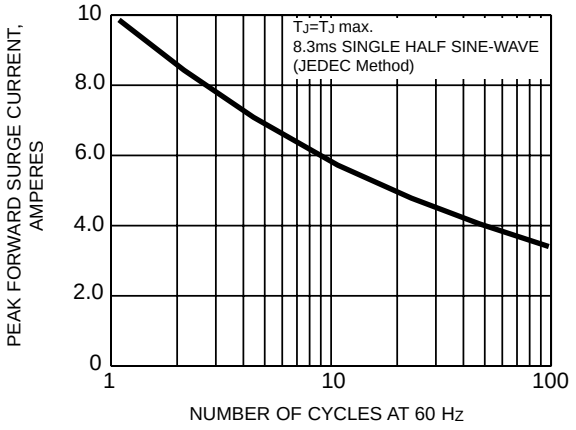



**FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS**

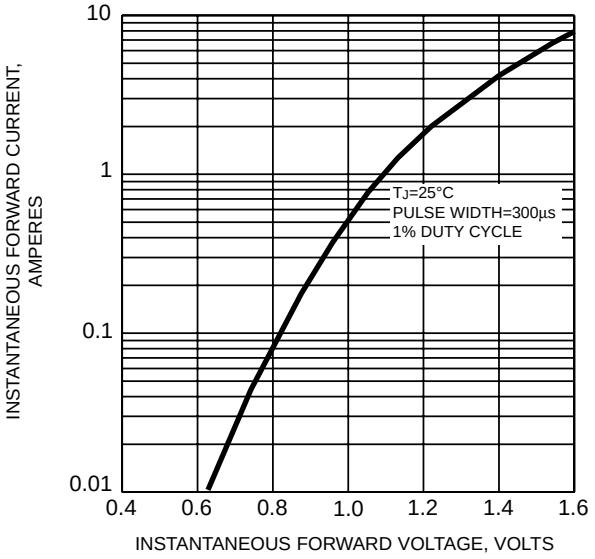



**FIG. 4 - TYPICAL REVERSE CHARACTERISTICS**

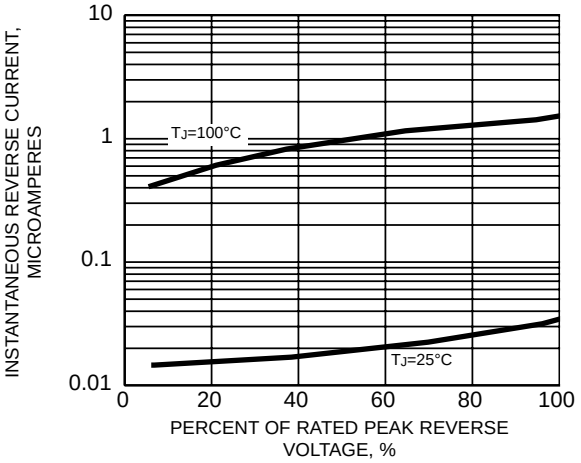



**FIG. 5 - TYPICAL JUNCTION CAPACITANCE**